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3. CONTRACT NO.(S) PSC-148-UNV	TECHNICAL ACTION REQUEST	1. REQUEST NO. 6
4. SPECIFICATION NO.(S) 50-A-1006-A	SHEET 1 OF SHEETS	2. DATE January 10, 1953
5. CONTRACTOR		6. ADDRESS
7. SUB-CONTRACTOR		8. ADDRESS
9. EQUIPMENT RS-6 Equipment		10. QUANTITY AFFECTED

11. PURPOSE [X] DEVIATION APPROVAL [ ] INTERPRETATION [ ] INFORMATION [ ] RECOMMENDATION

12. APPROVAL WILL AFFECT: PRICE (INCREASE-DECREASE): YES DELIVERY: YES INTERCHANGEABILITY:
(If Price, Delivery or Interchangeability is Affected, Explain Below)

CAUTION: INCREASE IN PRICE AND/OR CHANGE IN CONTRACT DELIVERY SCHEDULE REQUIRES APPROVAL OF THE CONTRACTING OFFICER.

ACTION I

I. Test Procedure Modification.

1. An indication of self oscillation in the tune position with the crystal removed shall not be a basis of rejection provided that no indication of self oscillation exists in the load positions.

2. Paragraph 5.2.3. of RS-6 Production Test Specification of November 1952 and paragraph 5.3.7.2 of Specification 50-A-1006-A shall be amended by the addition of the following paragraph:

" It has been observed that certain crystals within the JAN Specifiactions will give very sharp leading edges with a possible slight over-shoot. This effect while observable does not give rise to objectionable key-clicks based on listening tests made with various receivers. If such a case exists another crystal which does not exhibit this condition and still permits meeting the power specifications shall be used for the waveform tests."

II. Transmitter Circuit Changes.

The oscillator circuit shall be modified to a grounded anode type by means of the following changes:

1. Remove C-101 (1 MF. cathode bypass)
2. Remove R-102 (68 K resistor)
3. Ground junction of X101 and C103 (.001 MF.)
4. Change value of C102 to 47 MMF.
5. Change value of C104 to 56 MMF.
6. Increase inductance value of LR 101 to approximately 100 to 125 uh.
7. Add .01 MF. ceramic capacitor across jack J101 between tip contact and the jumper connection.
8. Reroute receiver antenna wire (white lead) between K101 relay and J103 antenna connector to avoid feed back oscillation.

ORIGINAL CL BY 235979
☐ DECL ☒ REVW ON 2010
EXT BYND 6 YRS BY Same
REASON 3d(3)

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III. Receiver Modification.

1. Replace crystal jack on receiver by new type with beryllium contacts.

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